



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 2183

SERIAL NUMBER 10/796,236	FILING DATE 03/08/2004  RULE	CLASS 356	GROUP ART UNIT 2877	ATTORNEY DOCKET NO. PEN-106/US
-----------------------------	---------------------------------------	--------------	------------------------	-----------------------------------

## APPLICANTS

Guanghua G. Zhang, San Jose, CA;

Dale H. Buermann, Los Altos, CA;

Michael J. Mandella, Palo Alto, CA; Hector H. Gonzalez-Banos, Mountain View, CA;

Stewart R. Carl, Palo Alto, CA;

\*\* CONTINUING DATA \*\*\*\*\* I.A.  
 None

\*\* FOREIGN APPLICATIONS \*\*\*\*\* I.A.  
 None

IF REQUIRED, FOREIGN FILING LICENSE GRANTED  
 \*\* 05/28/2004

\*\* SMALL ENTITY \*\*

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY CA	SHEETS DRAWING 12	TOTAL CLAIMS 37	INDEPENDENT CLAIMS 4
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged Examiner's Signature <u>[Signature]</u> Initials <u>I.A.</u>				

## ADDRESS

Lumen Intellectual Property Services, Inc.  
 2345 Yale Street, 2nd floor  
 Palo Alto, CA  
 94306

## TITLE

Apparatus and method for determining orientation parameters of an elongate object

FILING FEE  RECEIVED 581	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
-----------------------------------	---	---